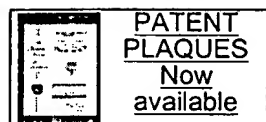


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JP8127890A: PRODUCTION OF HIGH PURITY COBALT

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Inventor(s): **SHINDO YUICHIRO**

Applicant(s): **JAPAN ENERGY CORP**

Issued/Filed Dates: **May. 21, 1996 / March 14, 1995**

Application Number: **JP1995000080830**

IPC Class: **C25C 001/08;**

Priority Number(s): **JP1994000239714**

Abstract: **Purpose:** To stably and easily produce a high purity cobalt suitable to application for target material or the like and having purity of 5N (99.999%) in which the contents of impurities such as Ni and Fe are minimized.
Constitution: Aq. cobalt chloride soln. containing at least Fe and/or Ni as impurities and having 7-12N hydrochloric acid concn. is brought into contact with an anion exchange resin to adsorb the cobalt, then the cobalt is eluted by using 1-6N hydrochloric acid, and the obtained eluted liq. is evaporated and dried up, then the aq. soln. is controlled to pH0-6, and electrodeposition cobalt is produced by electrolysis using this aq. soln. as an electrolyte, if necessary the electrodeposition cobalt is subjected to vacuum melting.
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Foreign References: **none**

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